

IN THE CLAIMS

1-9. (Cancelled)

10. (Currently Amended) A motor assembly comprising:

a stator having first and second stator core portions including a closed ring and a coil nestingly supported between the core portions such that at least part of axial surfaces on the coil are covered by the core portions and the closed ring is circumferentially coextensive with the coil;

a rotor having a core and a plurality of magnets, the stator and rotor being supported to allow for relative rotary motion between the rotor and the stator such that the plurality of magnets of the rotor interact with the stator core portions during such relative rotary motion.

11. (Original) The assembly of claim 10, including two support members that enclose at least part of outward axial surfaces of the core portions.

12. (Currently Amended) ~~The assembly of claim 11, A motor assembly comprising:~~

~~_____ a stator having first and second stator core portions and a coil nestingly supported between the core portions such that at least part of axial surfaces on the coil are covered by the core portions;~~

~~_____ a rotor having a core and a plurality of magnets, the stator and rotor being supported to allow for relative rotary motion between the rotor and the stator such that the plurality of magnets of the rotor interact with the stator core portions during such relative rotary motion;~~

~~two support members that enclose at least part of outward axial surfaces of the core portions; and~~

~~including a plurality of magnetic core members supported by the support members.~~

13. (Original) The assembly of claim 12, including a plurality of slots on the support members and wherein the magnetic core members are received in corresponding ones of the slots.

14. (Original) The assembly of claim 10, wherein each stator core portion comprises sintered powder material.

15. (Original) The assembly of claim 10, wherein each stator core portion comprises a laminated ring.

16. (Currently Amended) ~~The assembly of claim 10, A motor assembly comprising:~~

~~_____ a stator having first and second stator core portions and a coil nestingly supported between the core portions such that at least part of axial surfaces on the coil are covered by the core portions;~~

~~_____ a rotor having a core and a plurality of magnets, the stator and rotor being supported to allow for relative rotary motion between the rotor and the stator such that the plurality of magnets of the rotor interact with the stator core portions during such relative rotary motion, wherein each stator core portion includes a generally annular ring and a plurality of circumferentially spaced projections that project radially inward from the ring.~~

17. (Original) The assembly of claim 16, including two support members with a plurality of radially inwardly projecting spacer portions and wherein the stator core portion projections and the spacer portions are interspersed such that outward axial surfaces on the core projections are not covered by the support members.

18. (Previously Presented) The assembly of claim 17, including a plurality of slots in the support members and at least one magnetic core member inserted into each of at least some of the slots.

19. (Currently Amended) ~~The assembly of claim 10, A motor assembly comprising:~~

~~_____ a stator having first and second stator core portions and a coil nestingly supported between the core portions such that at least part of axial surfaces on the coil are covered by the core portions;~~

~~_____ a rotor having a core and a plurality of magnets, the stator and rotor being supported to allow for relative rotary motion between the rotor and the stator such that the plurality of magnets of the rotor interact with the stator core portions during such relative rotary motion, including a bonding agent on the stator that bonds the stator core portions together.~~

20. (Previously Presented) The assembly of claim 10, wherein the stator coil axial surfaces are completely covered by the stator core portions.

21. (Previously Presented) The assembly of claim 10, wherein the stator coil comprises a prewound coil that is inserted between the stator core portions.

22. (Previously Presented) A motor assembly, comprising:

a stator having first and second stator core portions and a coil supported between the core portions such that at least part of the axial surfaces on the coil are covered by the core portions, each stator core portion including a generally annular ring and a plurality of circumferentially spaced projections that project radially inward from the ring, and including two support members with a plurality of radially inwardly projecting spacer portions, the stator core portion projections and the spacer portions being interspersed such that outward axial surfaces on the core projections are not covered by the support members; and

a rotor having a core and a plurality of magnets, the stator and rotor being supported for relative rotary motion between the rotor and the stator such that the plurality of magnets of the rotor interact with the stator core portions during such relative rotary motion.

23. (Previously Presented) The assembly of claim 22, including a plurality of slots in the support members and at least one magnetic core member inserted into each of at least some of the slots.

24. (New) The assembly of claim 10, wherein the first core portion comprises a first part of the closed ring and the second core portion comprises a second part of the closed ring.

25. (New) The assembly of claim 10, including a yoke portion received between the first and second stator core portions, the closed ring comprising at least the yoke portion.

26. (New) A motor assembly, comprising:

a stator having a first portion and a second portion, each stator portion comprising an annular ring and a plurality of spaced, extending projections; and

an annular coil received between the projections of the first and second stator portions such that the stator portion rings are circumferentially coextensive with the coil.

27. (New) The assembly of claim 26, wherein the first stator portion ring is secured to the second stator portion ring.

28. (New) The assembly of claim 26, including a yoke portion and wherein the first stator portion ring is secured to a first side of the yoke portion and the second stator portion ring is secured to a second side of the yoke portion.

29. (New) The assembly of claim 26, including an epoxy securing the stator portions together.